

PATENT ABSTRACTS OF JAPAN

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(71)Applicant : AICA KOGYO CO LTD

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(72)Inventor : TAGA AKIO

(54) PREPARATION OF THERMOSETTING HOT-MELT ADHESIVE SHEET

(57)Abstract:

PURPOSE: To obtain an adhesive sheet having increased adhesion uniformly by fiber reinforcement, by coating or impregnating a porous sheet substrate with a plastisol comprising vinyl chloride-based paste resins dispersed in thermosetting plasticizers to cause semi-gelation.

CONSTITUTION: A porous sheet substrate is coated or impregnated with a plastisol comprising vinyl chloride-based paste resins dispersed in thermosetting plasticizers and then, on standing at ordinary temp. or by heating, processed into semi-gel the surface of which is tack-free at ordinary temp. Thermosetting plasticizers include compds. which contain one to three double bonds in the molecule, such as diallyl phthalate monomer, allyl acrylate, or triallyl phosphate. To harden said thermosetting plasticizer quickly, an org. peroxide is necessary as a radical polymn. catalyst. Said vinyl chloride-based paste resins include a vinyl chloride/vinyl acetate copolymer, carboxyl group-contg. vinyl chloride polymer, etc.

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